

Analytical Forensic Associates

3100 Five Forks Trickum Road

Suite 104

Lilburn, GA 30047

Phone: 770-982-0210 Fax: 770-982-0206

Email: office@afalabs.com

Bill To:

Alec Conner
Liberty Mutual
Via Electronic Mail
alec.conner@libertymutual.com

Invoice

FED TAX ID #	Date	Invoice #
68-0503537	10/15/2015	1510-1035



Excellence in Fire Debris Analysis

Claim / Policy #		Insured	Investigator	Date of Loss
32723415		Mary & Ollie Speakman	JPRAY	7 October 2015
Quantity	Description	Rate	Amount	
3	Ignitable Liquid Residue Analysis of Fire Debris - GC-MS 12 Months Secured Evidence Storage Evidence Submitted by J.P. Ray	165.00 150.00	495.00 150.00	
Please Include Invoice Number on Your Remittance				
Thank you for Choosing Analytical Forensic Associates!			Total	\$645.00

Terms: Payable Upon Receipt

Exhibit B

Liberty001057

ANALYTICAL TEST REPORT

Case #: 1510-1035

Page 1 of 2

15 October 2015

Alec Conner
Liberty Mutual
Via Electronic Mail
Alec.conner@libertymutual.com

Subject

Analysis of Fire Evidence for Ignitable Liquids.

Case Information

Claim #: 32723415. Insured: Mary and Ollie Speakman. Loss Location: 1300 Hurricane Road, Tullahoma, TN. Loss Date: 7 October 2015. IFA Case #: 32723415.

Background Information

On 13 October 2015 Analytical Forensic Associates received from J. P. Ray via UPS (1Z 1X6 7X4 90 6509 2805) the following:

- Item 1: One gallon tape sealed can containing burned wood and wicker material identified as removed from the dining room corner area of origin.
- Item 2: One gallon tape sealed can containing charred cloth material identified as fabric removed from the center area of the dining room floor.
- Item 3: One gallon tape sealed can containing partially burned paper and cloth material identified as jogging pants fabric removed from the garbage can located in the back yard.

Analytical Forensic Associates was requested to analyze the samples to check for the presence of ignitable liquids.

Analytical Test Methods and Results

The volatile components present in the samples were recovered per ASTM Method E1412 and analyzed per ASTM Method E1618.

GC-MS (gas chromatography-mass spectrometry) analysis of concentrated headspace vapors from Item 1 reveals the presence of components having retention times, selected ion profiles and mass spectra consistent with those present in known evaporated gasoline.

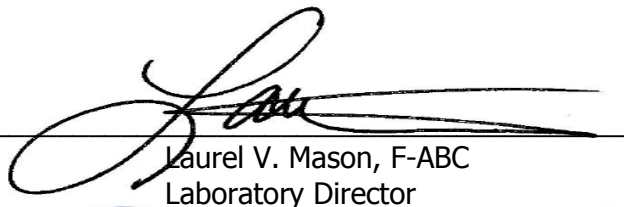
GC-MS analysis of concentrated headspace vapors from Items 2 and 3 fails to reveal the presence of any ignitable liquid residues in either of the samples.

Discussion and Conclusion

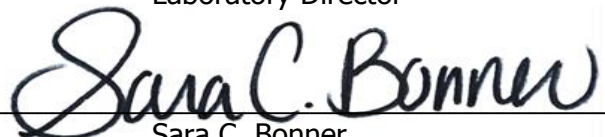
Gasoline was detected in Item 1.

No ignitable liquids were detected in Items 2 or 3.

Analysis Performed By: _____


Laurel V. Mason, F-ABC
Laboratory Director

Technical Review By: _____


Sara C. Bonner
Forensic Scientist

Evidence Disposition: The evidence and extracts will be placed into secured evidence storage at Analytical Forensic Associates.

ANALYTICAL FORENSIC ASSOCIATES

3100 Five Forks Trickum Road • Suite 104 • Lilburn, GA 30047
Phone: 770.982.0210 or 877.FIRELAB • Fax: 770.982.0206 • www.afalabs.com

Liberty001059